RAB

5th Global Conference
on Robotic Assisted Bronchoscopy

MADRID - SPAIN
March 15th -16th, 2027

PRELIMINARY PROGRAM

Updated 27.10.2026

From Robotic Bronchoscopy to Robotic Lung Intervention

Now in its fifth edition, RAB celebrates a growing international family. As more European centres embrace robotic bronchoscopy, our collective experience continues to expand, bringing new perspectives, new expertise and new opportunities for collaboration.

Meeting in Madrid, hosted by our Spanish colleagues, will be an exciting opportunity to share what we have achieved and shape the next steps together.

The spirit of RAB remains the same: to celebrate our successes while laying the foundations for further progress. By bringing together highly experienced US centres, an increasingly experienced European community and teams taking their first steps in robotic bronchoscopy, RAB promotes an open exchange of knowledge, practical experience and enthusiasm.

Our ambition is to strengthen a collaborative network in which established and emerging centres learn from one another and help advance the field together.

A central focus of the 2027 edition will be how to build a robotic bronchoscopy programme, step by step. This means addressing infrastructure and room design, integrated imaging, anaesthetic management, radiological support, nursing expertise and procedural workflow. Above all, it means building the multidisciplinary team that makes the programme work: interventional pulmonologists, thoracic surgeons, anaesthesiologists, radiologists, pathologists, nurses and technicians, united around a shared clinical pathway.

Creating a robotic bronchoscopy centre is more than introducing a new technology into a hospital. It is an opportunity to rethink how patients with pulmonary nodules are cared for, from the first diagnostic suspicion through tissue acquisition, staging and multidisciplinary decision-making to definitive treatment. RAB aims to provide a practical roadmap for this transformation, supporting both new centres and established programmes seeking to refine and expand their practice.

Organizing secretariat

LT3

LT3 s.r.l.

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Education and training will therefore remain at the heart of the meeting. Interactive discussions, shared clinical cases and hands-on sessions will support young clinicians and teams approaching the field, while offering experienced practitioners opportunities to explore complex challenges, exchange solutions and assess technological developments.

Under the theme "From Robotic Bronchoscopy to Lung Intervention", RAB 2027 will also explore the expanding role of robotic platforms beyond diagnostic sampling. Particular attention will be given to their integration with surgical and other treatment strategies, including dye marking and fiducial marker placement.

Looking further ahead, the meeting will critically examine the progress of transbronchial ablation, discussing emerging evidence, technical challenges, patient selection and the questions that must be answered as these approaches move towards broader clinical evaluation.

RAB 2027 will bring experience, innovation and education together with a shared purpose: to grow as a community and translate technological progress into increasingly coordinated, precise and patient-centred care.

International Scientific Board

Michela Bezzi, Erik Folch, Stefano Gasparini, Felix Herth, Kyle Hogart, Kelvin Lau, Calvin Ng, Michael Pritchett, Pallav Shah

Hosting Organizing Committee:

President

Javier Flandes

Members

Miguel Ariza, Carmen Angela Centeno Clemente, Javier Pérez Pallares, Borja Recalde

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HIGHLIGHTS

- The Fifth edition: a growing European family, connected with leading US centres.
- Building a robotic bronchoscopy centre: a step-by-step roadmap
- Integrated imaging
- Multidisciplinary teamwork
- Training the next generation through hands-on experience.
- Beyond diagnosis: surgical localisation and emerging transbronchial ablation.

SCIENTIFIC PRELIMINARY PROGRAM

DAY 1 – Monday, 15th March

15:00 – 15:30
Opening Ceremony
Welcome to RAB Madrid 2027

- Introduction of the Hosting Organizing Committee
- Greetings from the Scientific Board
- Vision and Goals

Chairs
Michela Bezzi, Javier Flandes

15:30 – 16:00
SESSION 1
RAB 2027: Year in Review
Session Lead: Miguel Ariza, Erik Folch

16:00 – 16:30
SESSION 2
Robotic Bronchoscopy in Europe - Current Landscape and Future Growth
Session Lead: Thomas Geisel, Pallav Shah/Chris Orton

16:30 – 17:00
Coffee Break & Industry Networking

17:00 – 18:00
HANDS-ON SESSION 1
Technology Playground
Navigation, Imaging and Case Planning
Ablation and Future Technologies Lab

Participants rotate through dedicated stations.

Hands-ons proposals and expectations:

- Ion™
- Monarch™
- Galaxy™
- Cone Beam CT
- Body Vision
- Emerging Technologies
- CT Planning
- Navigation Pathway Design
- CBCT Validation
- Body Vision Integration
- Difficult Cases
- AI-assisted Planning
- Microwave Ablation
- Radiofrequency Ablation
- Cryoablation
- Pulsed Field Ablation
- Thermal Vapor Technologies
- Emerging Platforms

Faculty-led demonstrations and exercises

18:00 – 18:30
Meet the Experts Forum
Open discussion with faculty and industry partners

DAY 2 – Tuesday, 16th March

09:00 – 09:30
What's Next for Robotic Lung Intervention?
Highlights from Day 1 and introduction to Day 2
Moderators: Mauro Novali, Javier Pérez Pallares

09:30 – 10:30
SESSION 3
Robotic Platforms: Present and Future
Session Lead: Kyle Hogarth, Javier Pérez Pallares

10:30 – 11:30
SESSION 4
Lung Cancer Screening and Subsolid Pulmonary Nodules
Session Lead: Juliana Guarize, Kelvin Lau

11:30 – 12:00
Coffee Break & Industry Networking

12:00 – 13:00
HANDS-ON SESSION 2
Technology Playground
Navigation, Imaging and Case Planning
Ablation and Future Technologies Lab

13:00 – 13:30
Interactive Case Discussion: Selected cases from participating centers

13:30 – 14:30
Lunch

14:30 – 15:30
SESSION 5
Transbronchial Ablation: The Next Frontier in Robotic Lung Intervention
Session Lead: Calvin Ng

15:30 – 16:00

SESSION 6
Reimbursement, Health Economics and DRGs
Session Lead: Michael Pritchett

16:00 – 16:30
SESSION 7
The Single-Anesthesia Pathway: From Diagnosis to Definitive Treatment
Session Lead: Michela Bezzi

16:30 – 17:00
Coffee Break & Industry Networking

17:00 – 18:00
HANDS-ON SESSION 3
Technology Playground
Navigation, Imaging and Case Planning
Ablation and Future Technologies Lab

18:00 – 18:30
Expert Case Battles
Multidisciplinary discussion of challenging cases.
Moderated by: International Scientific Board

18:30 – 19:00
Closing Roundtable
The Future of Robotic Lung Intervention
Panel Discussion

- International Scientific Board & Hosting Organizing Committee